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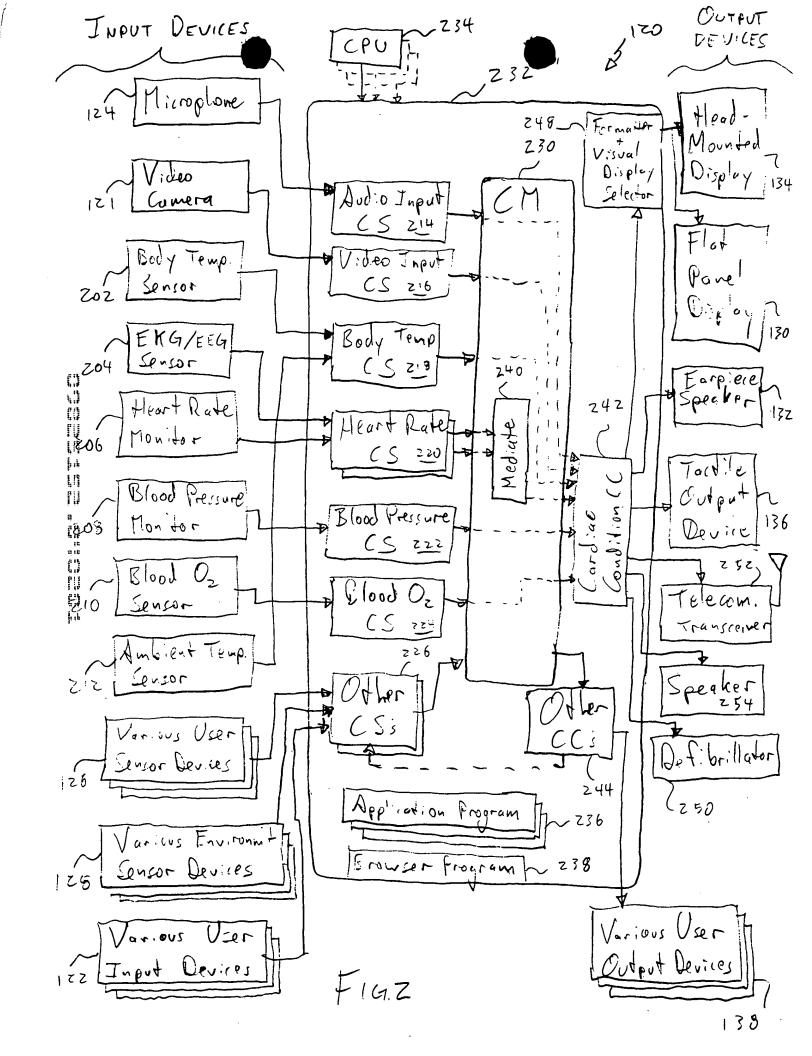
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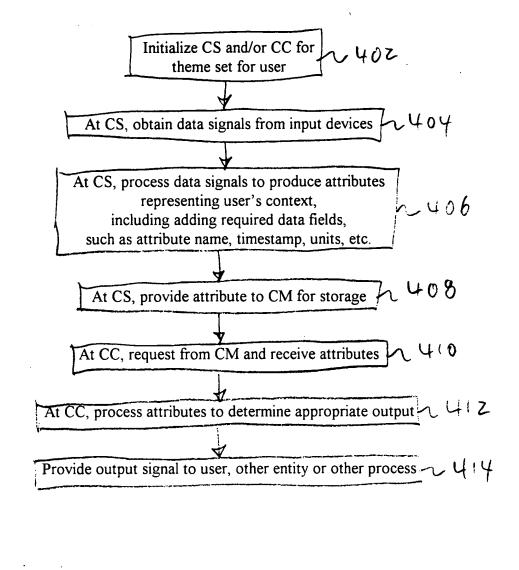
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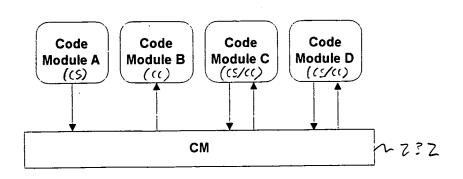
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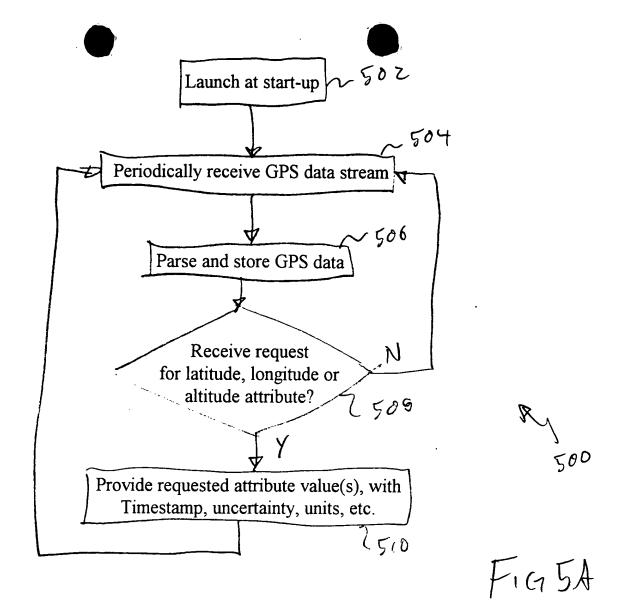




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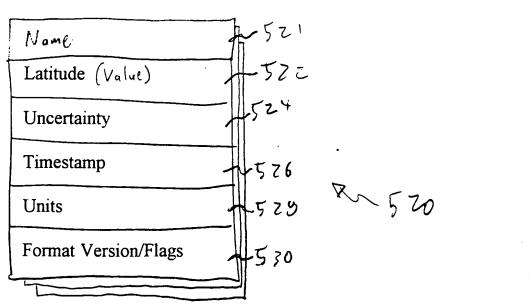
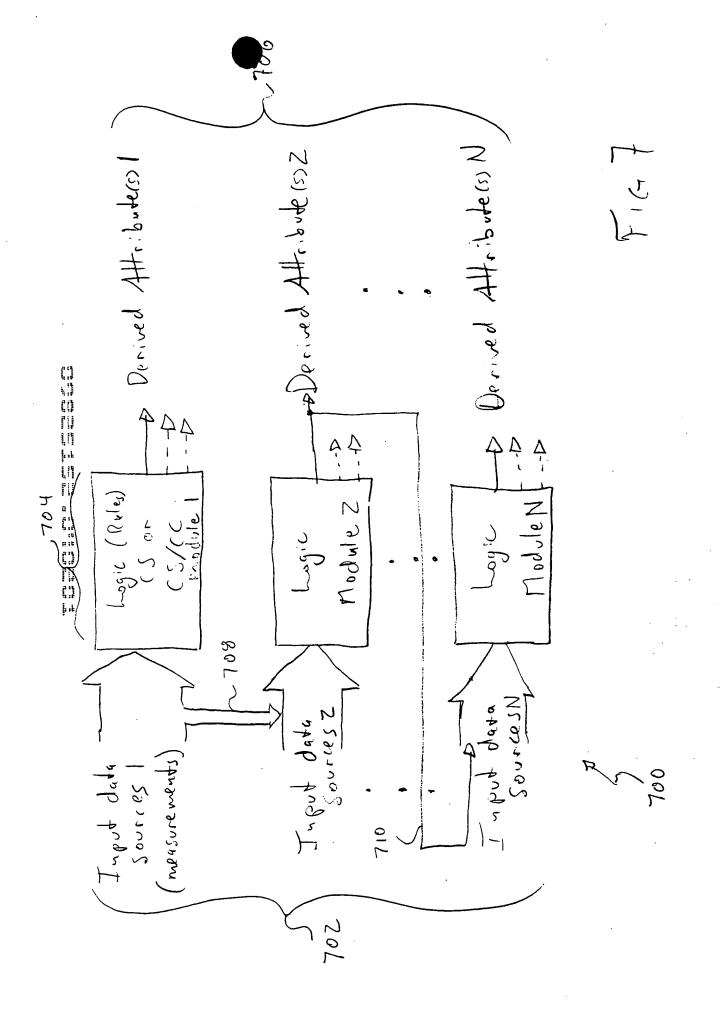


FIG5B

The transfer

The Hand Street Hand Street

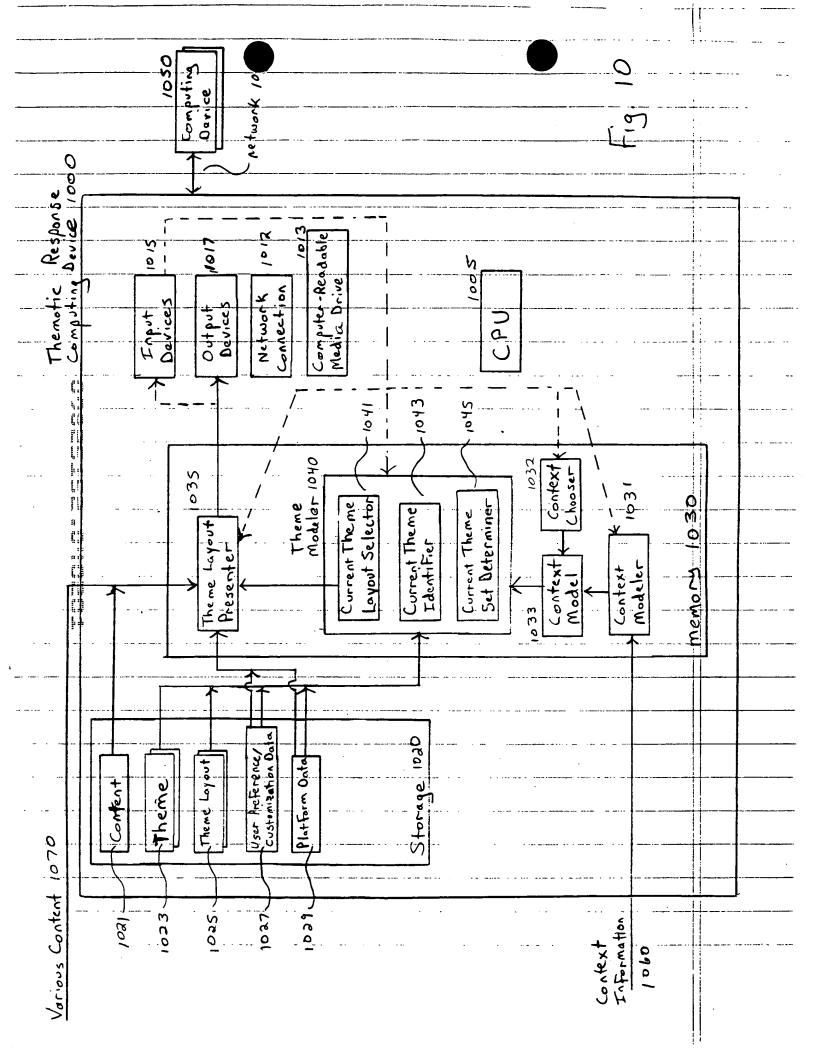


	User.	Platform. (continued)
	Desired_privacy_level	CPU.
	Interruptibility	Load
	Speed	Speed
	Direction	Memory.
	Acceleration	Total_capacity
	Availability.	Used
	Cognitive availability	Storage.
	Tactile_availability	Total_capacity
	Manual availability	Used
	Visual availability	Connectivity.
	Oral availability	Connection_status
	Auditory_availability	Connection_speed
	Proximity. < Item or place name>	Connection_type/device
	Mood.	Connection_activity
	Happiness	Power.
	Sadness	Power_source
	Anger	Power_level
	Frustration	Environment.
	Confusion	People.
٠.)	Activity.	Nearest
	Driving	Number_present
ΠŲ	Eating	Number_close
	Running	Local.
ļ	Sleeping	Time
[]	Talking	Date
ľŲ	Typing	Temperature
6	Walking	Pressure
(1)	Location.	Wind speed
18 18 215	Place_name	Wind direction
11	Latitude	Absolute humidity
r.,	Longitude	High_forecast_temperature
71	Altitude	Low_forecast_temperature
	Room	People_present
þ. b	Floor	Ambient_noise_level
	Building	Ambient light_level
	Address	Days. <pre>previous or future>.</pre>
	Street	High temperature
	City	Low_temperature
	County	Precipitation_type
	State	Precipitation_amount
	Country	Place. < place name >. (same as Environment. Local)
	Postal_Code	Application.
	Destination. (same as User.Location.)	Mail.
	Physiology.	Available
	Pulse	New messages_waiting
	Body_temperature	Messages waiting to be sent
	Blood pressure	Phone.
	Respiration	Available
	Person. <name id="" or="">. (same as User.)</name>	In_use
	Platform.	On/off
	UI.	Notification_mechanism
	Oral input_device_availability	Call_incoming
	Manual input_device_availability	Caller_ID
	Tactile output device availability	Sound_recorder.
	Visual output device availability	Available
	Auditory_output_device_availability	Recording

FIG8

U	ser Setting	Computer
	Mental Context	Power
	Meaning	Configuration
	Cognition	User Input Systems
	Divided User Attention	Hand/Haptic
	Task Switching	Keyboard/Keystrokes
	Background Awareness	Voice/Audio
	Solitude	Eye Tracking
	Privacy	Cursors
	Desired Privacy	Axis
	Perceived Privacy	Resolution
	Social Context	Selection
	Affect	Invocation
	Physical Situation	Accelerators
	Body	Output Systems
	Biometrics	Visual
	Posture	Resolution
	Motion	Audio
	Physical Encumberment	Public/Private
: <u>*</u> : #	Senses	Haptic
to the state of th	Eyes	External Resources
()	Ears	I/O devices
ļ	Tactile	Connectivity
11	Hands	Data
, L	Nose	Quantity/State
ΪŢ	Tongue	Urgency/Importance
ij	Workload demands/effects	Use of Prominence
	Interaction with computer devices	Modality
:	Interaction with people	Sensitivity/Purpose
t p	Physical Health	Privacy Issues
# # # # # # # # # # # # # # # # # # #	Environment	Use of Association
E	Time/Space	Use of Safety
1	Objects	Source/Ownership
it ik	Persons	Types
••	Audience/Privacy Availability	User generated
	Scope of Disclosure	Other computers or people
	Hardware affinity for privacy	Sensor
	Privacy Indicator for User	PC State
	Privacy Indicator for Public	Use of Association
	Watching Indicator	
	Being Observed Indicator	
	Ambient Interference	
	Visual	·
	Audio	
	Tactile	

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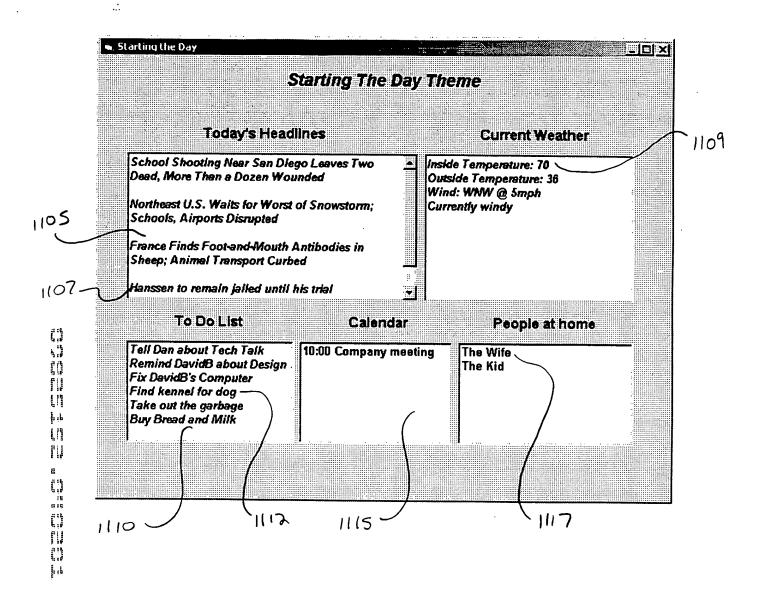


Fig. 11 A

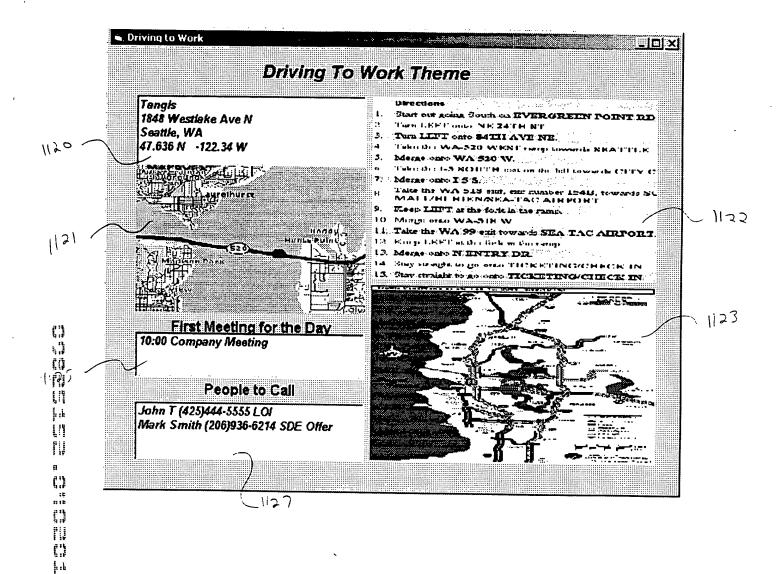


Fig. 11B

Arriving at Work Theme			
Perpie in the Building	To Do List		
Ancel Johnson	Tell Dan about Tech Talk Remind DavidB about Design spec deadline. Fix DavidB's Computer Call Mark Smith (206)936-6214 about Job Offer		
T: 1 Weekly Company meeting at 10: 2 VIA demo at 3:00pm Penthouse. 3 Who let my dog out?[Dan] 4 Extra ticket to Sonics/Lakers gan 5 Who used decaf on the non deca	Everyone invited. ne tonight[Josh]		

Fig. 11C

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	At Woi	rk Theme	
	Calendar	To Do List	
8=		Tell Dan about Tech Talk Remind DavidB about Design spec deadlir	
900		Fix DavidB's Computer See Bill about networking problems	
10 [®]	Company Meeting	Call Mark Smith (208)936-6214 about SDE	
11@			
12 <u>m</u>		People Around You	
100		Bill Watson ————————————————————————————————————	
2 <u>°°</u>		Darathy B.	
3	ইএই VIA Demo		
4.00			

Fig. 11D

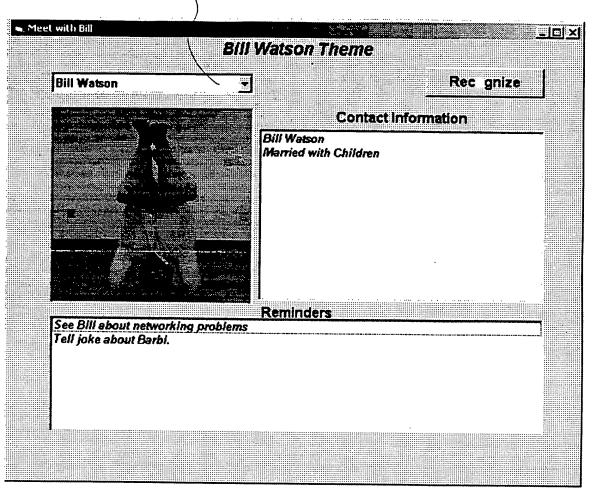


Fig. 11E

Meeting The	eme	
Things to bring up	People Present	
T II group what y u did last we k Tell group what you plan to do this week Tell group about your new invention. Tell group about your upcoming skiing trip. Kudos for Stan and Dorothy for finishing report Notes	Aaron Graves Alan Housley Ancel Johnson Bill Watson Brian Rose Cesar Alvarez Dan Newell David Jukes	
Finished coding Turing Machine on Monday. Did bug bash on Tuesday. Survived an earthquake on Wednesday. Worked on CTK demo rest of last week Continuing work on CTK demo rest of this week	Dorothy B. Jaquie T. Jeff Fried Jim Robarts Johnson A. Josh Freedman Kanisha Patel Ken Abott Lisa Davis Molly Fitch Scott Price Stan Emert	

Fig. 11F

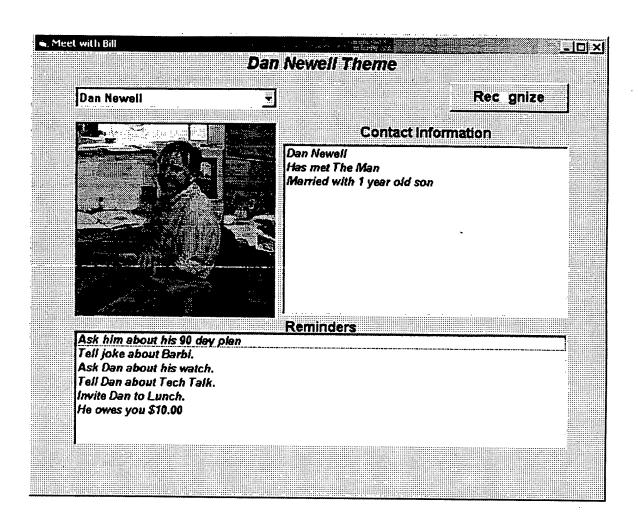


Fig. 11G

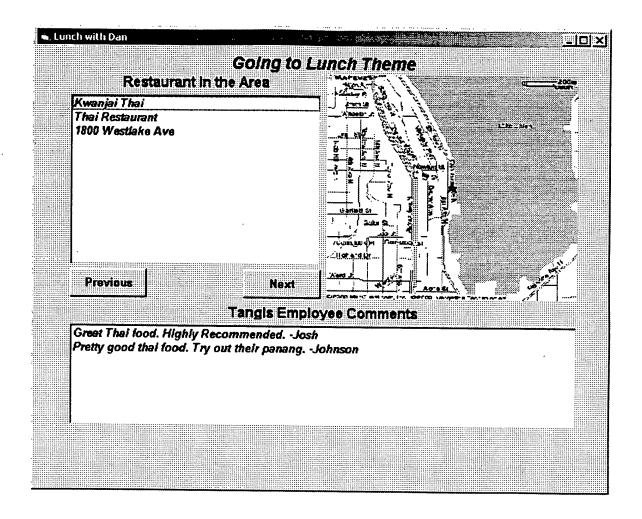


Fig 11H

Repairing	g a PC Theme
Computer Equipment Josh's Compu	rter <u>*</u>
Description	Notes
Dell XPS 4000 Purchase Date: 11/20/2000 Tangis Tag: PCD01	Currently inoperative Josh noticed a loud noise coming from the hard disk. He sald It might be a problem with the
Software installed	disk's brake pads.
MS Entertainment Pack Boeing Marketing Tutorial: How to	If he mentions this again, humor him.
Hardware Installed	
Ricoh 32X CDRW MS USB Microphone	

Fig. 11 I



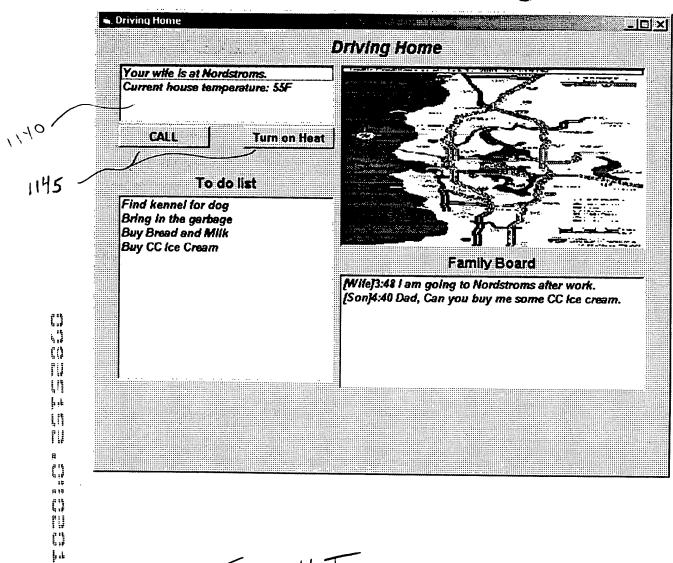
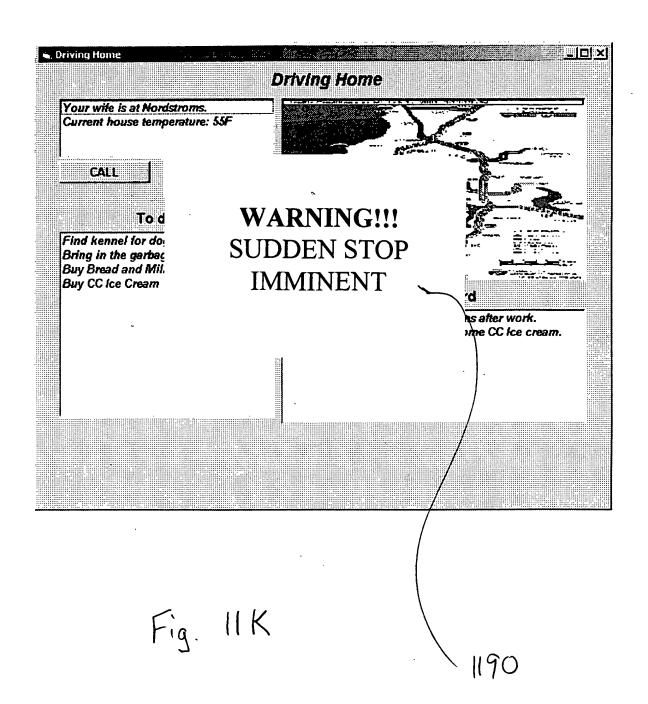


Fig. 11J



ome
What's on TV
07:00 Komo TV Local News (4) 07:30 Wall Street Week (9) 08:00 Survivor III (7) 09:00 X-Files (13) 10:00 Big Apple (7)
People At Home
The Wife The Kid

Fig. 11L

Example Current Theme Selection

Select A New Current Theme

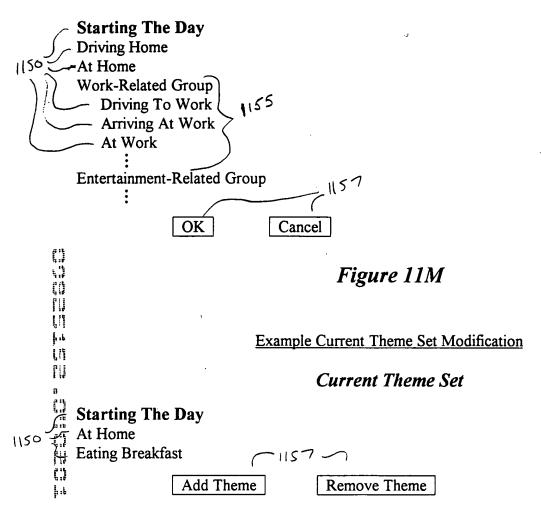
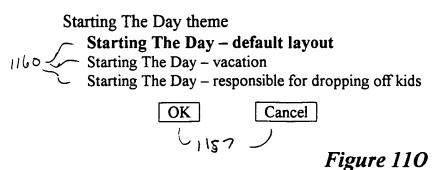


Figure 11N

Example Current Theme Layout Selection

Select A New Current Theme Layout



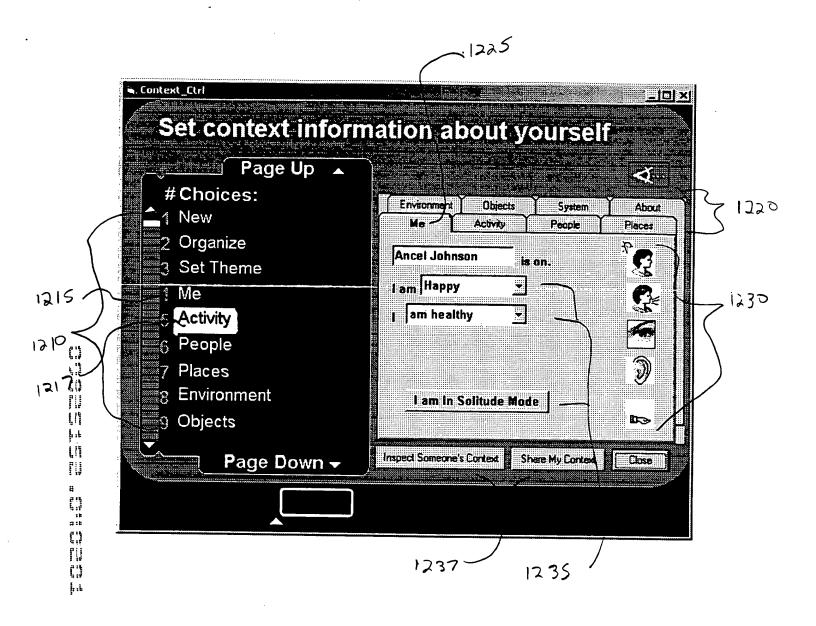


Fig. 12A

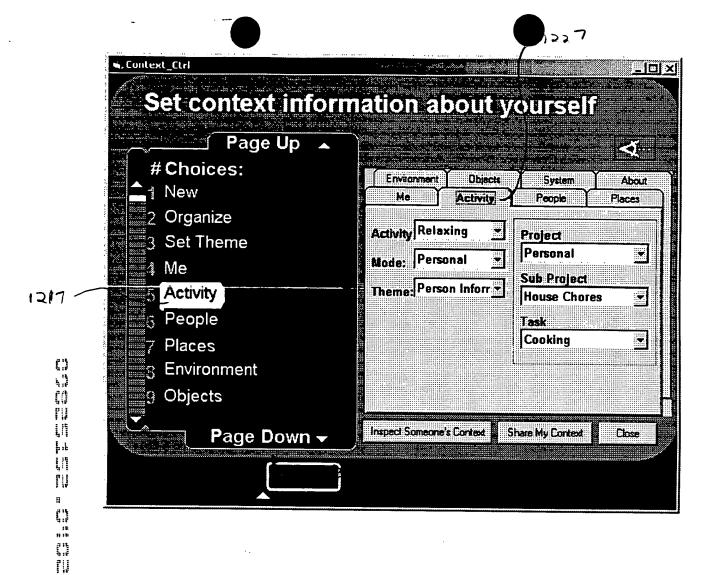


Fig. 12B

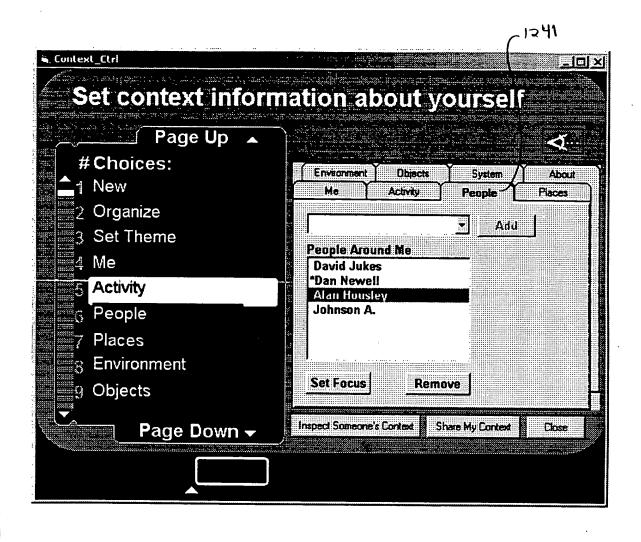


Fig. 12C

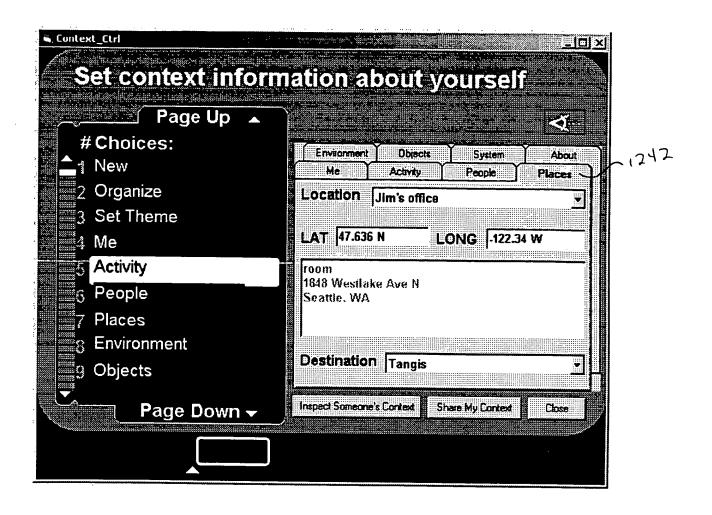


Fig. 12D

	/12 × 13
s, Context_Ctrl	.□×
	nation about yourself
Page Up 🔺	
#Choices:	Me / Activity People Races
1 New	Environment Objects System About
2 Organize	Temperature —— Flight— Sound
3 Set Theme	
4 Me	Inside 70
Activity	
G People	Outside 36
7 Places	
S Environment	It is windy 🗸 today.
9 Objects	
Page Down ▼	Inspect Someone's Contest Share My Contest Close

Fig. 12E

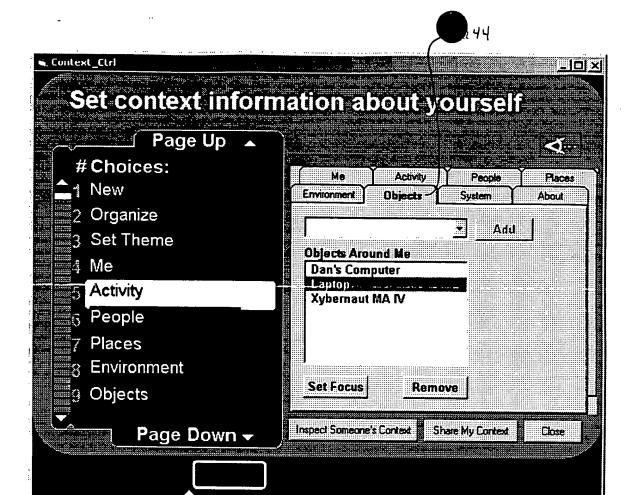


Fig. 12F

			1242
, Context_Ctrl			_IOI×
Set context inform	nation about y	ourself	
Page Up 🔺			₫
#Choices:	Me Activity	People)	Places
1 New	Environment Objects	System /	About
2 Organize		Signal Streng	,, I
3 Set Theme	Battery II		
Me	Mic Volume	GPS	
Activity	Backlight is OFF	BlueTooth [
People		802.11 [
7 Places			
Environment			
g Objects			Ц
▼ Page Down ▼	Inspeci Someone's Context	haie My Context	Free

Fig. 12G



Fig. 12H

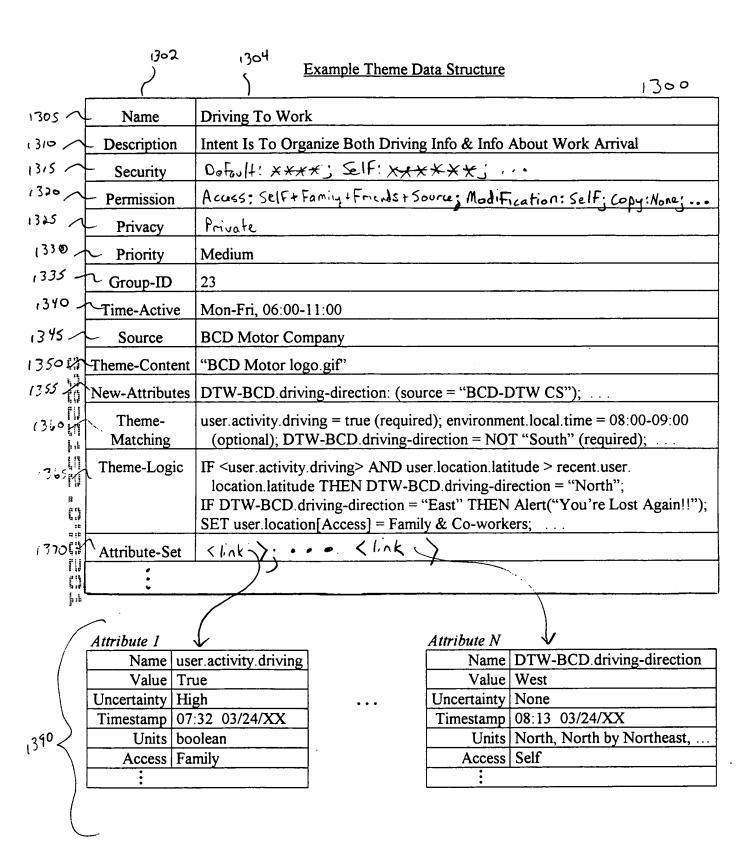
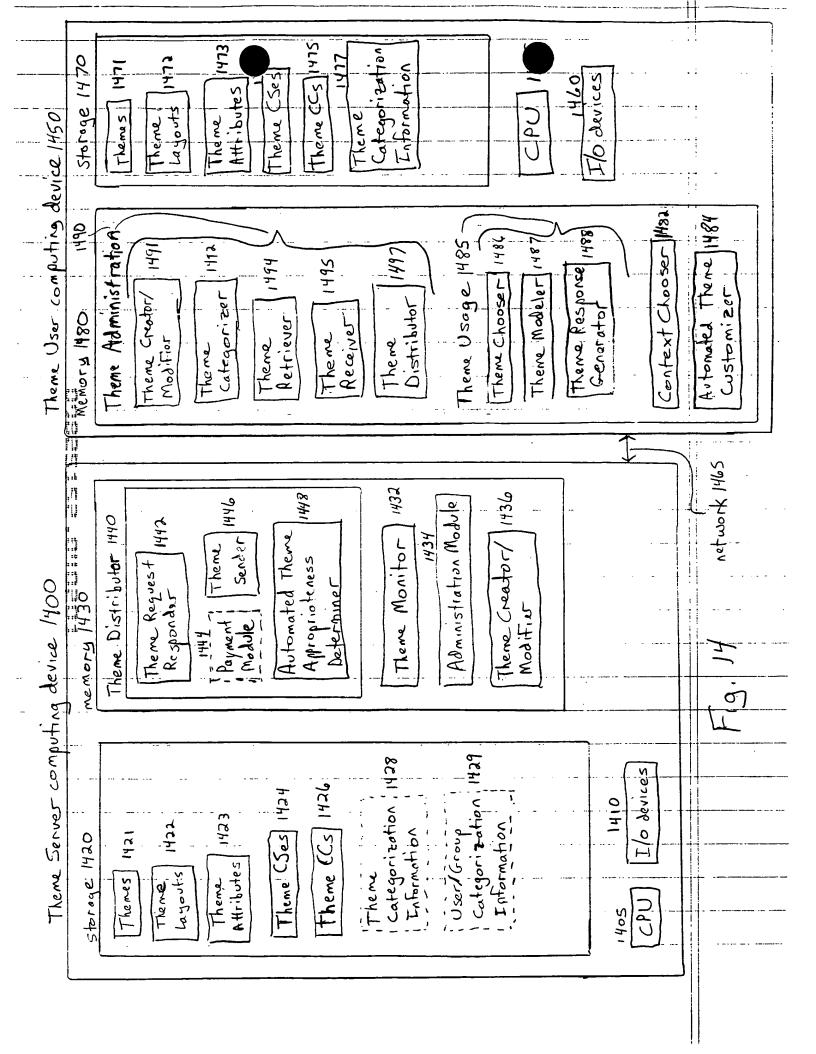
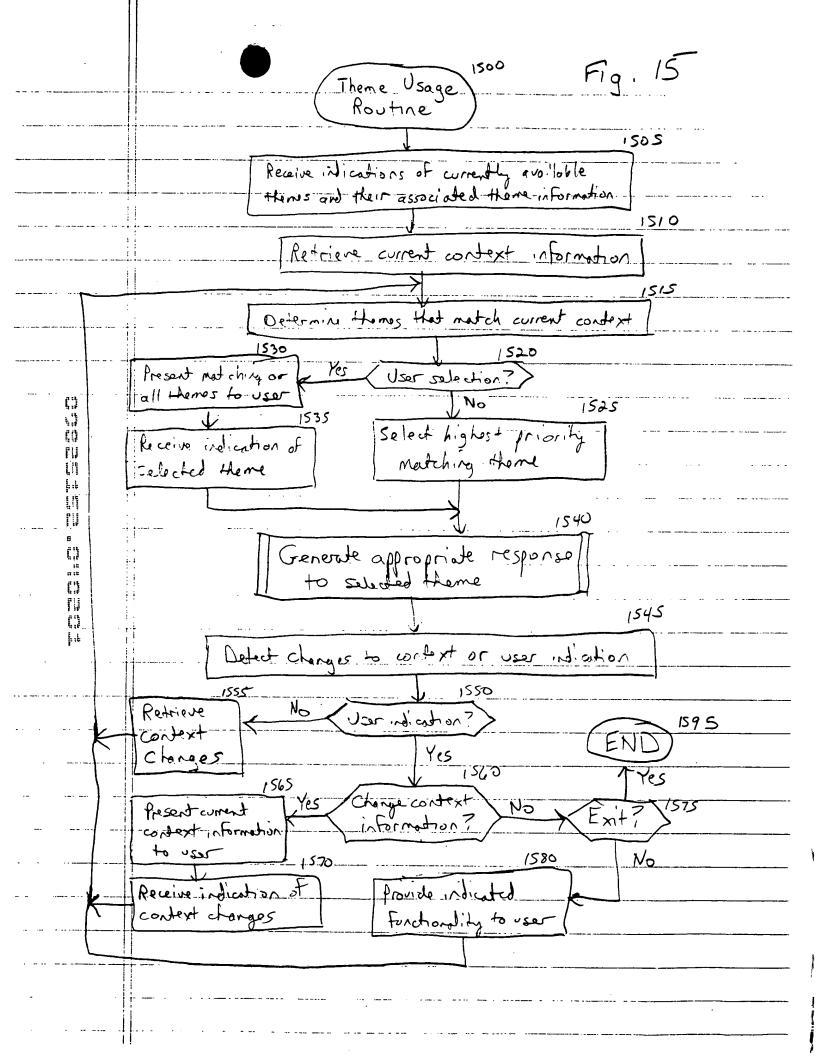
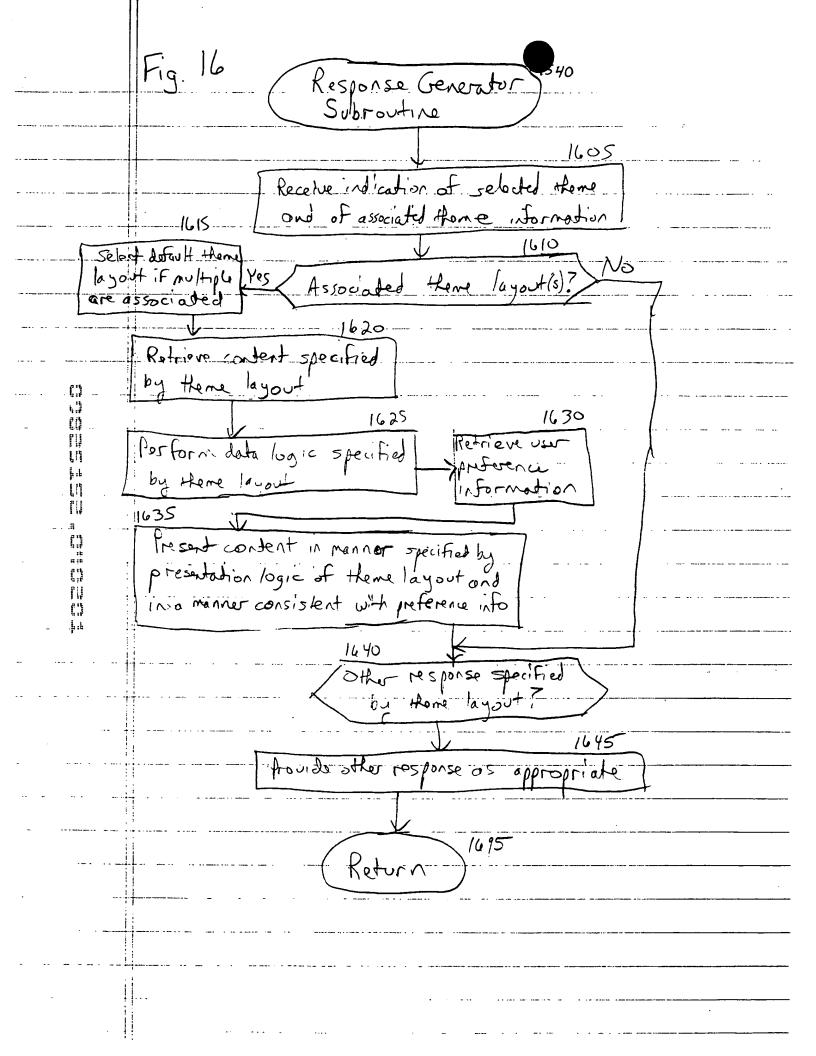
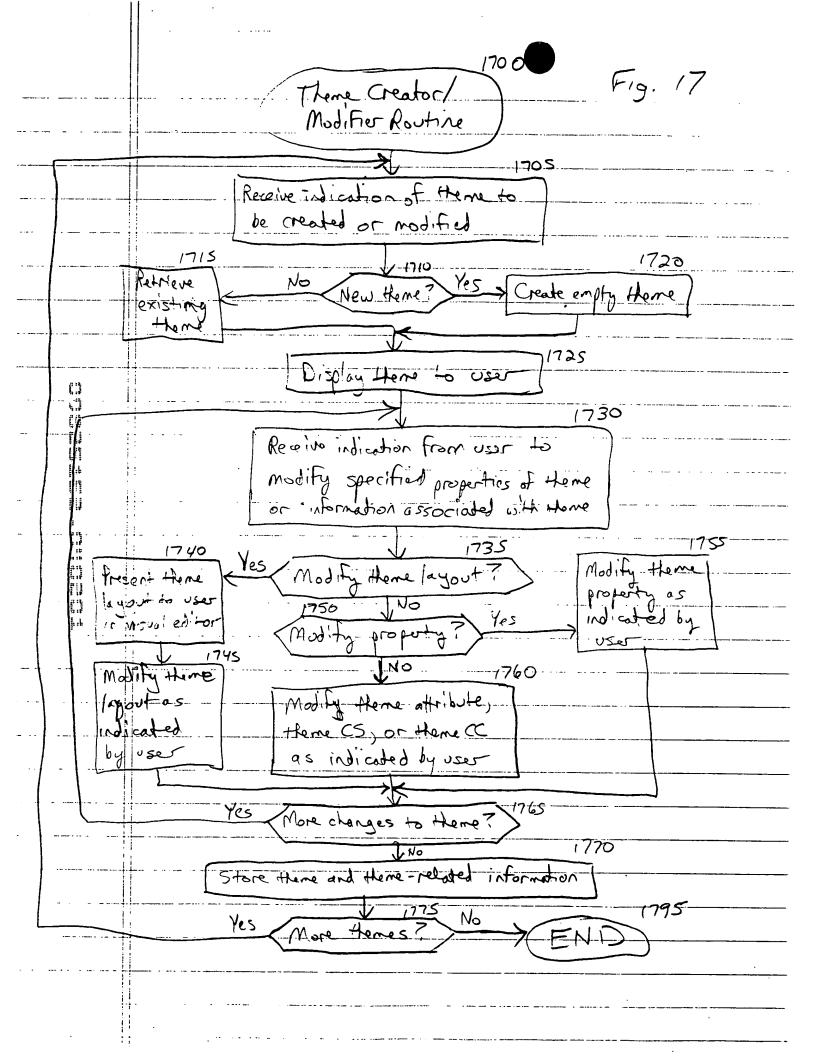


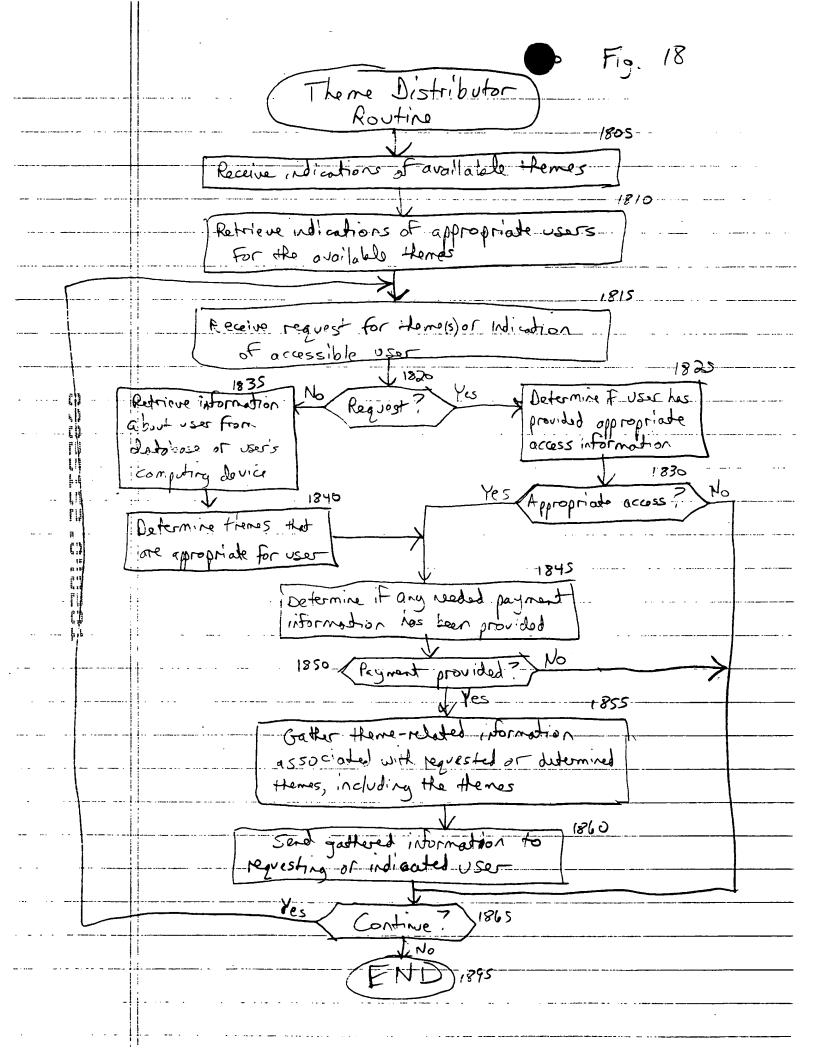
Figure 13

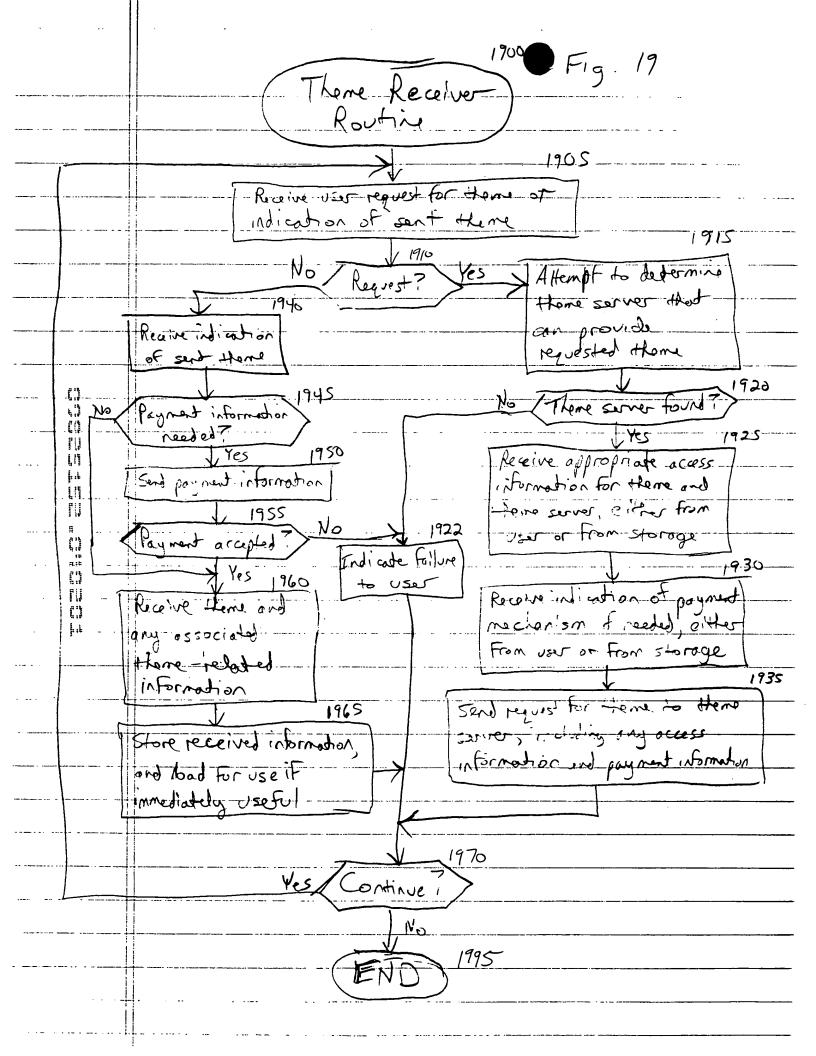


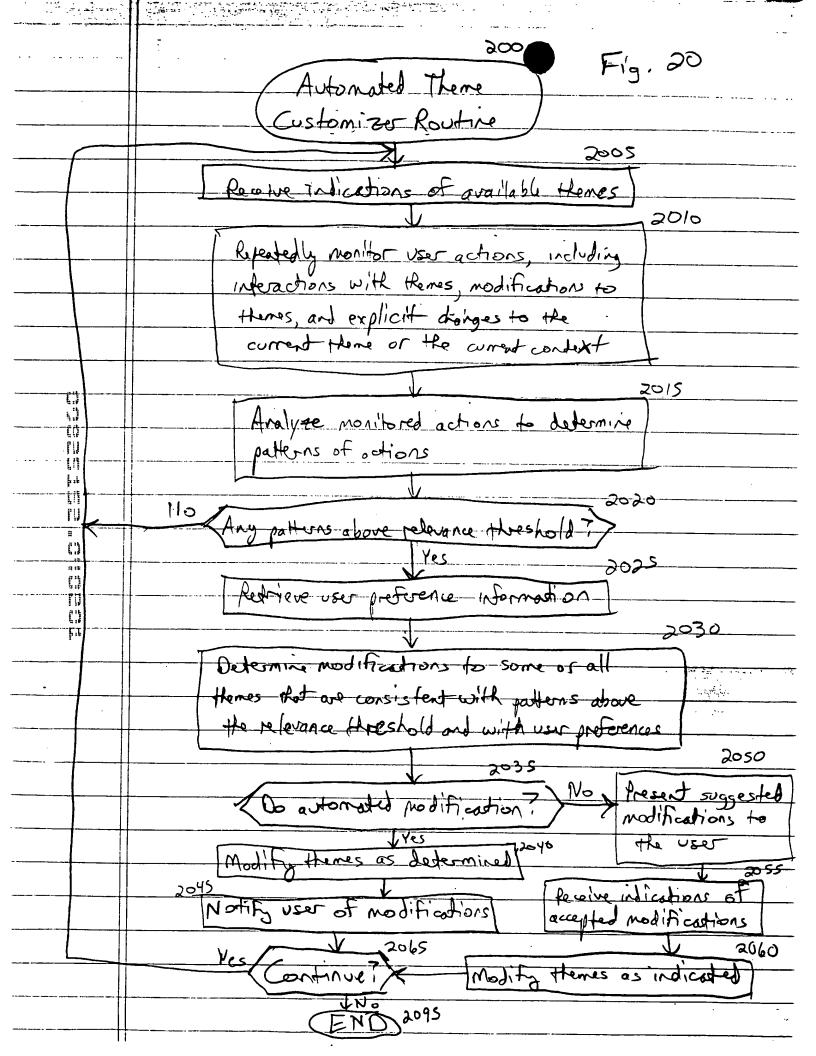












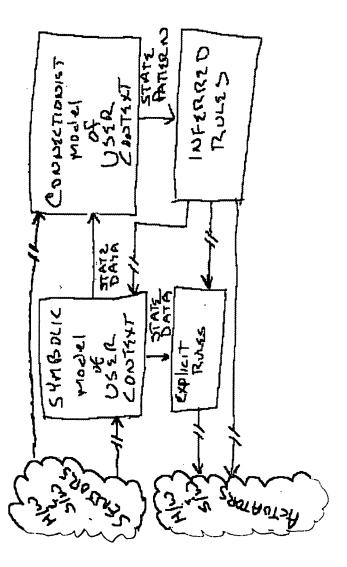


Figure 21

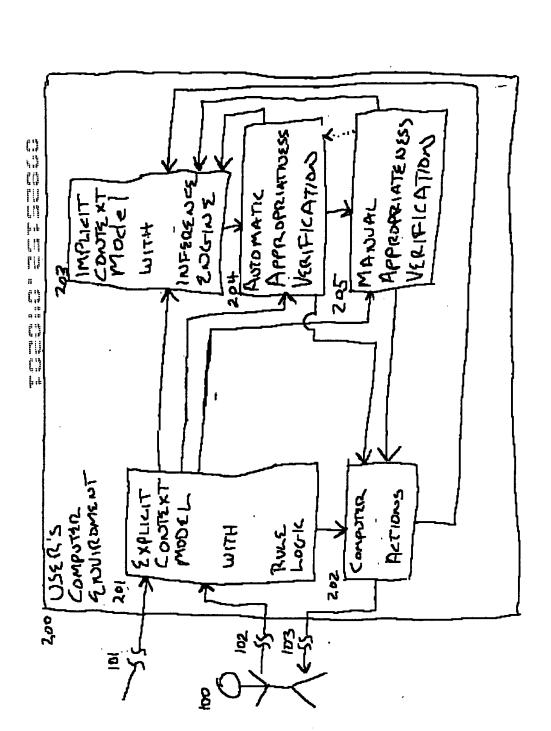


Figure 22

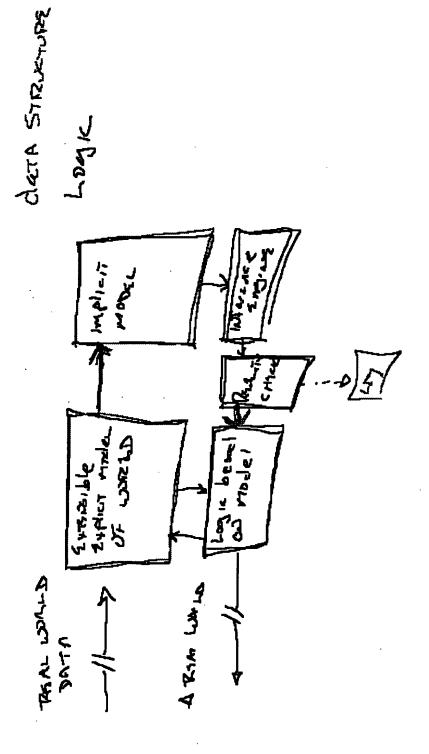


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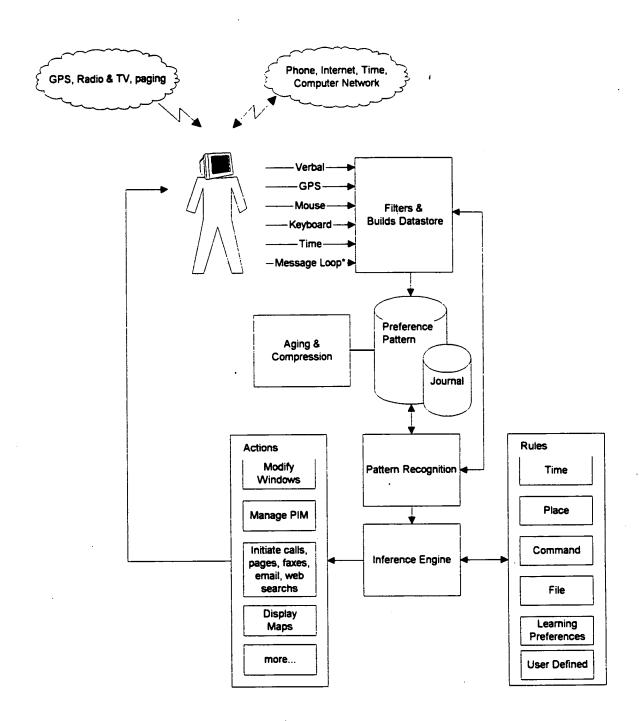
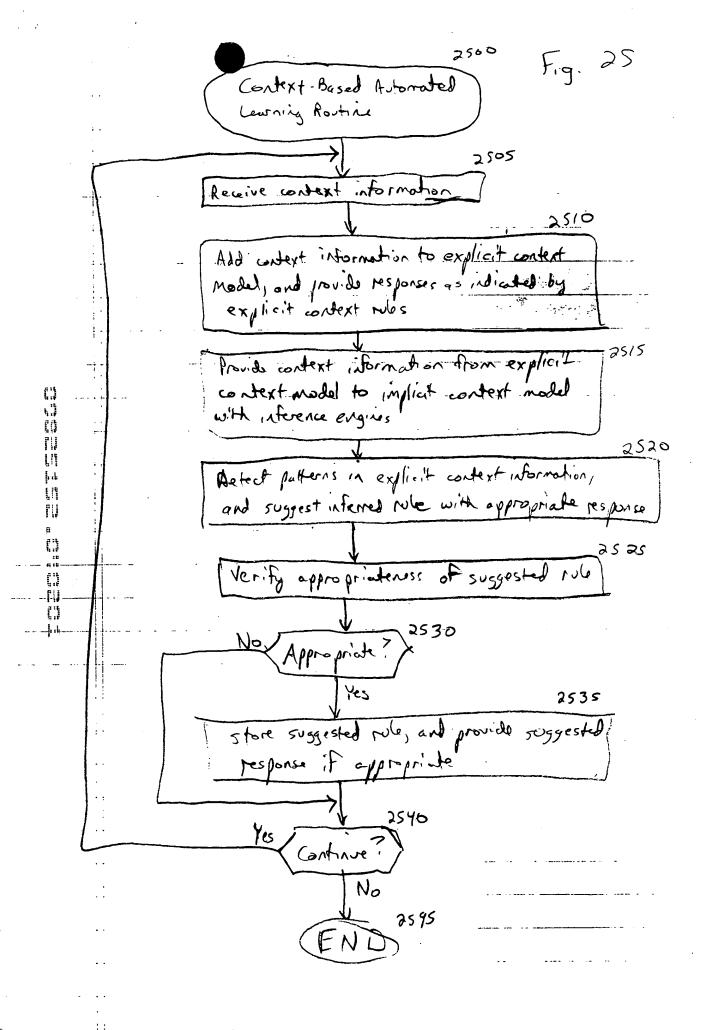
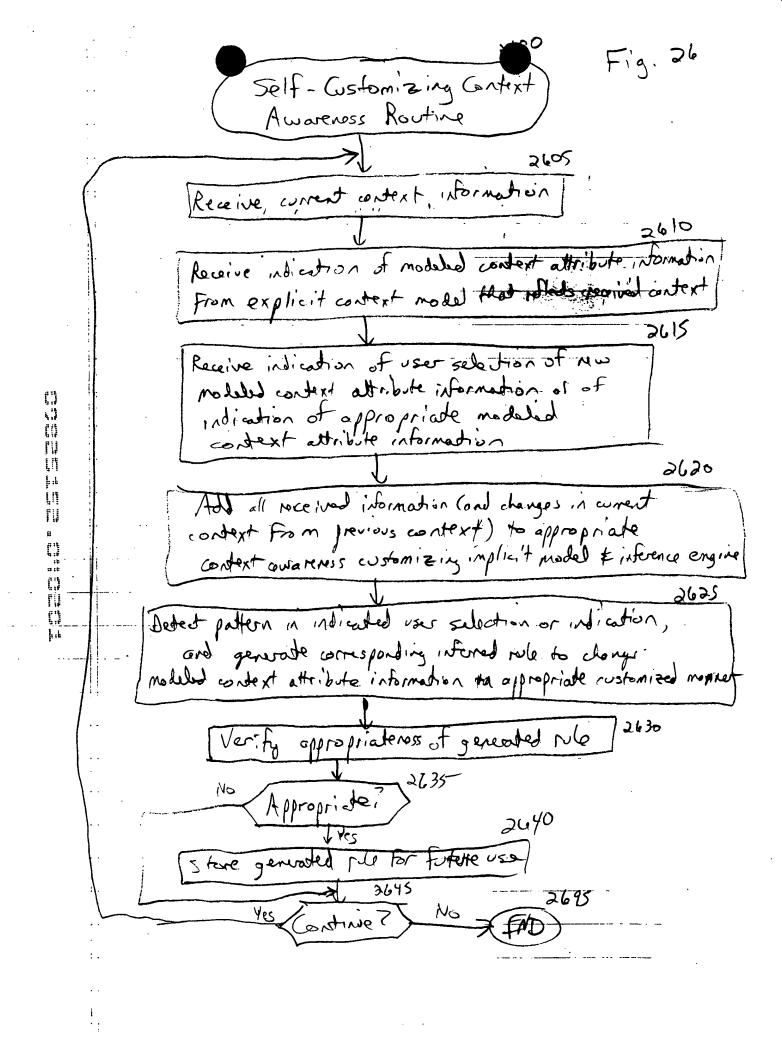
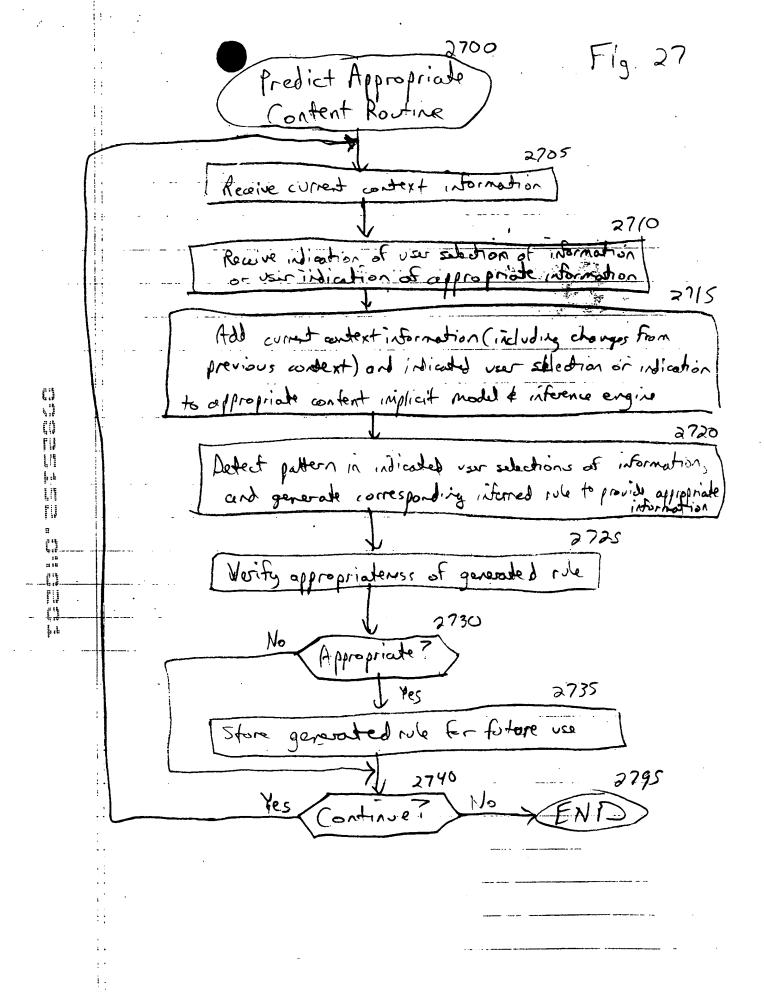


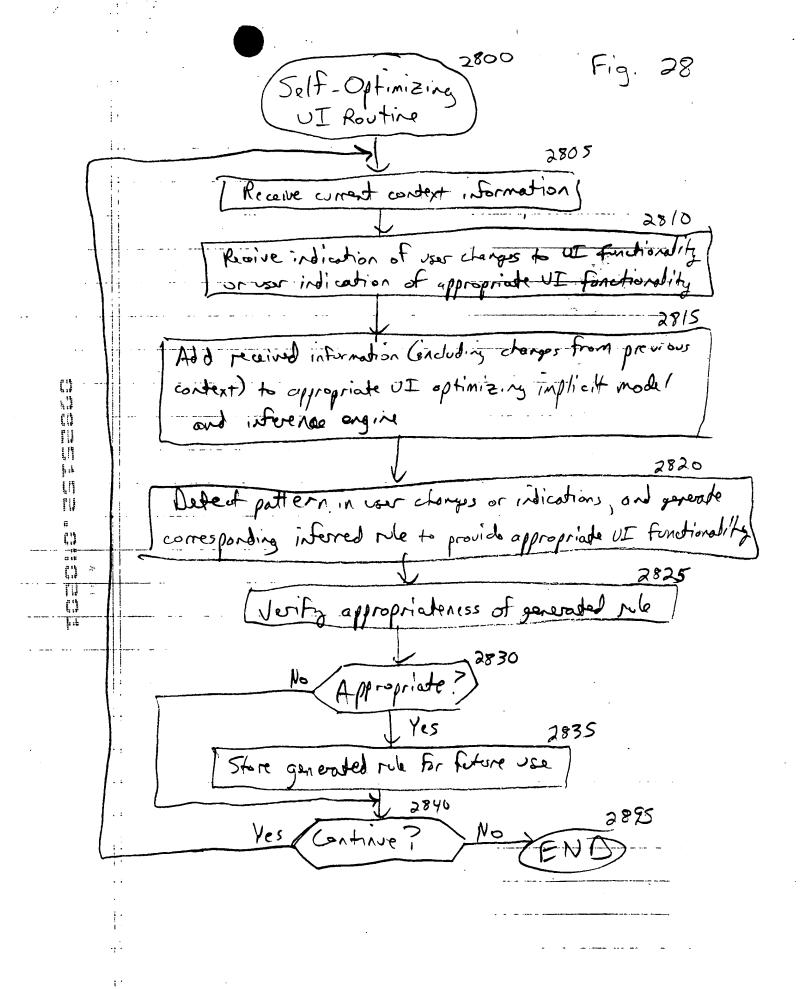
Fig. 24







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ask Simplification Routine 2905 Receive current consent information 2910 Receive indication of vow took performed having multiple steps, of of user indication that fask is appropriate 2915 And received information (including changes from previous context) to appropriate task simplification implicit model t infrence ongino 2920 Defect pattern in tosk, and generado corresponding where the to provide some or all of oppropriate fast verity appropriateuss of generated rule No Appropriate? 2935 There generated rule for tuture use 2945 No.

